Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Listing of Claims:

1-11. (Canceled)

12. (Previously Presented) An apparatus for treating perfluorocompounds, which comprises:

a perfluorocompound decomposing apparatus for decomposing perfluorocompounds contained in a gas fed thereto,

an acid gas removing apparatus for removing acid gases resulting from the decomposition of the perfluorocompounds from the discharged gas,

a gas suction apparatus for sucking the discharged gas in the acid gas removing apparatus by a jet stream of an injecting gas, thereby ejecting the gas,

a mist separation apparatus for separating mists from the gas discharged from the acid gas removing apparatus by suction by the gas suction apparatus, and

a tank for receiving one of the water and the aqueous alkaline solution from the acid gas removing apparatus and a discharging piping leading the mists separated in the mist separating apparatus to the tank are provided below the acid gas removing apparatus and the mist separating apparatus.

13. (Previously Presented) An apparatus according to Claim 12, wherein the perfluorocompound decomposing apparatus is packed with a catalyst acting to decompose the perfluorocompounds.

14. (Currently Amended) An apparatus according to Claim 13, wherein the catalyst contains an Al oxide and further one oxides of metals selected from Zn, Ni, Ti, F, Sn, ~~CO~~Co, Zr, Ce, Si and Pt.

15. (Previously Presented) An apparatus according to Claim 12, wherein the gas suction apparatus is an ejector.

16. (Original) An apparatus according to Claim 15, wherein a means of stopping feeding of driving gas to the ejector, when the pressure of the driving gas to the ejector exceeds a set pressure is further provided.

17. (Previously Presented) An apparatus according to claim 12, wherein the mist separation apparatus is a cyclone that separates mists contained in the discharged gas from the discharged gas by whirling of the discharged gas.